



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Certification under 37 CFR §1.10 (if applicable)

EV 099149800 US

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Date of Deposit

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Valerie Peterson

(Print Name of Person Mailing Application)

(Signature of Person Mailing Application)

Transmittal of Utility Patent Application
for Filing Under 37 CFR §1.53(b)

Mail Stop: Patent Application

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir: Transmitted herewith for filing is a patent application by inventors: Yongsam Moon, Deog-Kyoon Jeong and Gijung Ahn, and entitled:

VOLTAGE CONTROLLED OSCILLATOR

1. Enclosed are:

- ☒ This Transmittal letter
- ☒ One stamped, self-addressed postcard for PTO datestamp
- ☒ Certificate of Express Mail
- ☒ One utility patent application containing: 15 pages Specification; 3 pages Claims; and 1 page Abstract; and ☒ 11 Sheets of drawings
- ☒ Copy of Declaration and Power of Attorney For Original U.S. Patent Application (signed)
- ☒ Check to cover fees below described

2. U.S. Priority

- ☒ This is a continuation of co-pending U.S. Patent Application entitled "Frequency Comparator With Hysteresis Between Locked And Unlocked Conditions", serial number 10/356,695 (attorney docket no. 59472-8086.US01), filed on January 30, 2003, and is incorporated herein by reference, which is a continuation of U.S. Patent Application entitled "0.6-2.5 Gbaud CMOS Tracked 3X Oversampling Transceiver With Dead Zone-Phase Detection for Robust Clock Data Recovery", serial number 10/305,254 (attorney docket no. 59472-8079.US01) filed on November 25, 2002 and is incorporated by reference, which claims the benefits of U.S. Provisional Patent Application entitled "0.6-2.5 Gbaud CMOS Tracked 3X Oversampling Transceiver With Dead Zone-Phase Detection for Robust Clock Data Recovery", serial number 60/333,439 (attorney docket no. 59472-8079.US00), filed on November 26, 2001, and is incorporated herein by reference. U.S. Patent Application entitled "Frequency Comparator With Hysteresis Between Locked And Unlocked Conditions", serial number 10/356,695 (attorney docket no. 59472-8086.US01), filed on January 30, 2003 (which the present application is a continuation of) is also a Continuation-in-Part and claims the benefits of U.S. Patent Application entitled "Implementing an Oversampling Transceiver with Dead-Zone Phase Detection", serial number 09/948,123 (attorney docket no. 59472-8055.US01) filed on September 5, 2001, which is also incorporated herein by reference.

- ☐ Conditional Petition for Extension of Time: An Extension of Time is requested to provide for timely filing *if* required to establish copendency with the parent after all papers filed herewith have been considered.

3. Foreign Priority

- ☐ Priority of Application No. _____ filed in Japan on _____ is claimed under 35 USC §119. ☐ - A certified copy of this priority document is enclosed.
- ☐ Priority of Application No. _____ filed in Japan on _____ is claimed under 35 USC §119. ☐ A certified copy of this priority document is enclosed.

4. Fees

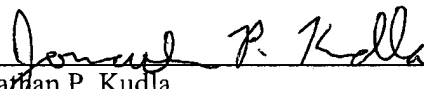
The filing fee has been calculated as shown below:

For:	(Col. 1) No. Filed	(Col. 2) No. Extra	Small Entity			Other Than a Small Entity	
			Rate	Fee		Rate	Fee
Basic Fee				\$370.00	Or		\$740.00
Total Claims	20 - 20	0	X \$ 9 =	\$	Or	X \$ 18 =	\$.00
Independent Claims	3 - 3	0	X \$42 =	\$	Or	X \$ 84 =	\$.00
<input type="checkbox"/> Multiple Dependent Claim Presented			+ \$140 =	\$	Or	+ \$280 =	\$ -0-
<input checked="" type="checkbox"/> Assignment recordation fee (\$40)							\$.00
*If the difference in Col. 1 is less than zero, enter "0" in Col. 2.			TOTAL	\$	O r	TOTAL	\$740.00

- ☐ Applicant claims small entity status. See 37 CFR §1.27.
- ☒ Check no. 1648 in the amount of **\$740.00** is enclosed to cover the Filing Fees.
- ☐ Please charge Deposit Account No. 50-2207 in the amount of \$_____.
- ☐ The Commissioner is hereby authorized to charge fees under 37 CFR §1.16 and §1.17 which may be required, or credit any overpayment to Deposit Account No. 50-2207.
- ☐ ***Filing fee to be submitted in response to anticipated receipt of Notice to File Missing Parts of Application. DO NOT CHARGE DEPOSIT ACCOUNT.**

Respectfully submitted,
Perkins Coie LLP

Date: July 3, 2003


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